

EP 518772

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Filtering cosmetic compsn. - contg. benzene

1,4-di(3-methylidene-10-camphosulphonic) acid and metal oxide nanopigment

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Number of Countries: 018 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 518772	A1	19921216	EP 92401626	A	19920612	199251	B
AU 9218209	A	19921217	AU 9218209	A	19920612	199306	
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Cited Patents: DE 3824999; EP 303995; EP 370867

Patent Details:

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CA 2071277	A	F		A61K-007/42	
JP 5170635	A		11	A61K-007/42	
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DE 69200614	E			A61K-007/42	Based on patent EP 518772
ES 2062874	T3			A61K-007/42	Based on patent EP 518772
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US 5643557	A		7	A61K-007/40	Cont of application US 92897498
US 5690915	A		7	A61K-007/40	Cont of application US 92897498
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Abstract (Basic): EP 518772 A

A filtering cosmetic compsn. comprises, in a suitable support, nanopigment(s) of metal oxides from oxides of Ti, Ce, Zr or their mixts., of mean dia less than 100 nm (pref. 5-50 nm), mixed with (partially) neutralised benzene 1,4-di (3-methylidene-10-camphosulphonic) acid of formula (I).

Where A = H, alkali metal, a gp. NH(R3)(+); the R's are same or different and are H, 1-4C (hydroxy)alkyl or a gp. M(n+1)/n where M(n+) = polyvalent metal cation with n = 2, 3 or 4. Pref. M(n+) = Ca(2+), Zn(2+), Mg(2+), Ba(2+), Al(3+) or Zr(4+). Pref. the compsn. contains TiO2 and an Al salt of (I).

Also claimed are: (1) a process for protecting human epiderm and hair against UV radiation by applying the above compsn., (2) use of the cosmetic compsn. to prevent apparition of photodermatoses and (3) use of (I) for reducing or inhibiting photoinduced reaction fo the above pigments exposed to light.

ADVANTAGE - The metal oxide pigments improve the cosmetic properties of the compsn. and partic. reduce the sticky effect of (I) and the whitening left on the skin after application.

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Title Terms: FILTER; COSMETIC; COMPOSITION; CONTAIN; BENZENE; DI; METHYLIDENE; SULPHONIC; ACID; METAL; OXIDE; NANO; PIGMENT

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